

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 2067

L1 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\0988912.str

L2 STRUCTURE UPLOADED

=> que L2 AND L1

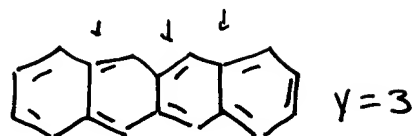
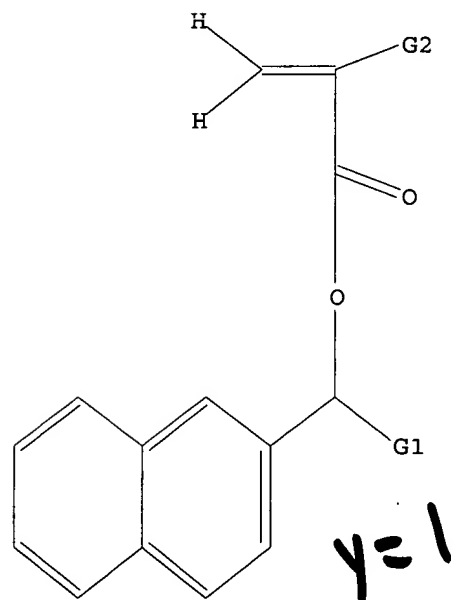
L3 QUE L2 AND L1

=> d

L3 HAS NO ANSWERS

L1 SCR 970 AND 2067

L2 STR



1  
Ak

G1 H, [01]

G2 H, Me

Structure attributes must be viewed using STN Express query preparation.

L3 QUE ABB=ON PLU=ON L2 AND L1

=> s l3 sss sam

SAMPLE SEARCH INITIATED 16:33:40 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 31 TO ITERATE

100.0% PROCESSED 31 ITERATIONS

12 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 286 TO 954

PROJECTED ANSWERS:

33 TO

447

L4 12 SEA SSS SAM L2 AND L1

=> d

L4 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2003 ACS

RN 479625-43-9 REGISTRY

CN 2-Propenoic acid, 2-methyl-, 1-pyrenylmethyl ester, polymer with  
N-(1-methylethyl)-2-propenamide and 3-sulfopropyl 2-methyl-2-propenoate  
potassium salt (9CI) (CA INDEX NAME)

OTHER NAMES:

CN N-Isopropylacrylamide-potassium 3-sulfopropyl methacrylate-1-pyrenylmethyl  
methacrylate copolymer

MF (C21 H16 O2 . C7 H12 O5 S . C6 H11 N O . K)x

CI PMS

PCT Polyacrylic

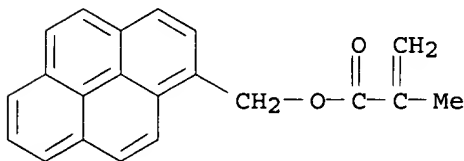
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 86112-79-0

CMF C21 H16 O2

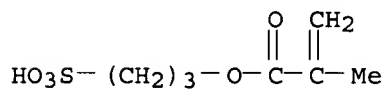


*branched?*

CM 2

CRN 31098-21-2 (7582-21-0)

CMF C7 H12 O5 S . K

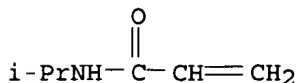


● K

CM 3

CRN 2210-25-5

CMF C6 H11 N O



1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> FIL HCAPLUS, CAPLUS, USPATFULL  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
2.08	2.29

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 16:33:56 ON 18 MAR 2003  
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FILE 'CAPLUS' ENTERED AT 16:33:56 ON 18 MAR 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE 'USPATFULL' ENTERED AT 16:33:56 ON 18 MAR 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> d his

(FILE 'HOME' ENTERED AT 16:33:07 ON 18 MAR 2003)

FILE 'REGISTRY' ENTERED AT 16:33:14 ON 18 MAR 2003

L1 SCREEN 970 AND 2067  
L2 STRUCTURE UPLOADED  
L3 QUE L2 AND L1  
L4 12 S L3 SSS SAM

FILE 'HCAPLUS, CAPLUS, USPATFULL' ENTERED AT 16:33:56 ON 18 MAR 2003

=> s l4

L5 62 L4

=> duplicates remove l5

DUPLICATE PREFERENCE IS 'HCAPLUS, CAPLUS, USPATFULL'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L5

L6 33 DUPLICATE REMOVE L5 (29 DUPLICATES REMOVED)

=> d l6 ibib hitstr

L6 ANSWER 1 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 1

ACCESSION NUMBER: 2002:739811 HCAPLUS

DOCUMENT NUMBER: 138:56589

TITLE: Photophysical and aqueous solution properties of  
thermosensitive anionic potassium-3-  
sulfopropylmethacrylate/N-isopropylacrylamide/1-  
pyrenemethylmethacrylate terpolymer

AUTHOR(S): Liaw, Der-Jang; Huang, Ching-Cheng; Wang, Tze-Shyuan

CORPORATE SOURCE: Department of Chemical Engineering, National Taiwan  
University of Science and Technology, Taichung, 106,  
Taiwan

SOURCE: Polymer (2002), 43(23), 6221-6229

CODEN: POLMAG; ISSN: 0032-3861

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 479625-43-9, N-Isopropylacrylamide-potassium 3-sulfopropyl  
methacrylate-1-pyrenylmethyl methacrylate copolymer

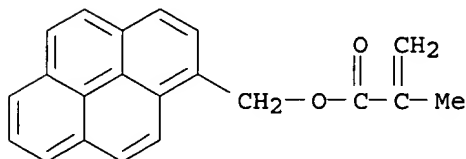
RL: PRP (Properties)

(photophys. and aq. soln. properties of thermosensitive anionic acrylic  
polymer)

RN 479625-43-9 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, 1-pyrenylmethyl ester, polymer with  
 N-(1-methylethyl)-2-propenamide and 3-sulfopropyl 2-methyl-2-propenoate  
 potassium salt (9CI) (CA INDEX NAME)

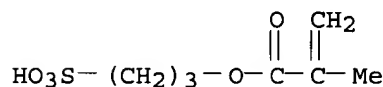
CM 1

CRN 86112-79-0  
 CMF C21 H16 O2



CM 2

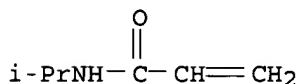
CRN 31098-21-2  
 CMF C7 H12 O5 S , K



● K

CM 3

CRN 2210-25-5  
 CMF C6 H11 N O

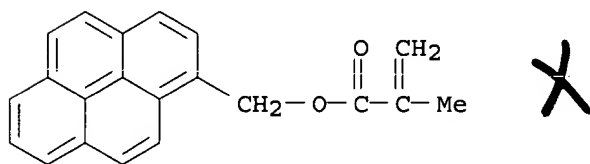


REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

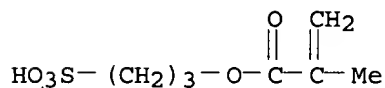
=> d l6 1-33 ibib hitstr

L6 ANSWER 1 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 1  
 ACCESSION NUMBER: 2002:739811 HCAPLUS  
 DOCUMENT NUMBER: 138:56589  
 TITLE: Photophysical and aqueous solution properties of  
 thermosensitive anionic potassium-3-  
 sulfopropylmethacrylate/N-isopropylacrylamide/1-  
 pyrenemethylmethacrylate terpolymer  
 AUTHOR(S): Liaw, Der-Jang; Huang, Ching-Cheng; Wang, Tze-Shyuan  
 CORPORATE SOURCE: Department of Chemical Engineering, National Taiwan  
 University of Science and Technology, Taichung, 106,  
 Taiwan

SOURCE: Polymer (2002), 43(23), 6221-6229  
 CODEN: POLMAG; ISSN: 0032-3861  
 PUBLISHER: Elsevier Science Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 479625-43-9, N-Isopropylacrylamide-potassium 3-sulfopropyl  
 methacrylate-1-pyrenylmethyl methacrylate copolymer  
 RL: PRP (Properties)  
 (photophys. and aq. soln. properties of thermosensitive anionic acrylic  
 polymer)  
 RN 479625-43-9 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, 1-pyrenylmethyl ester, polymer with  
 N-(1-methylethyl)-2-propenamide and 3-sulfopropyl 2-methyl-2-propenoate  
 potassium salt (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 86112-79-0  
 CMF C21 H16 O2

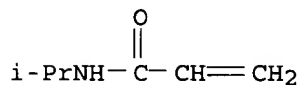


CM 2  
 CRN 31098-21-2  
 CMF C7 H12 O5 S . K



● K

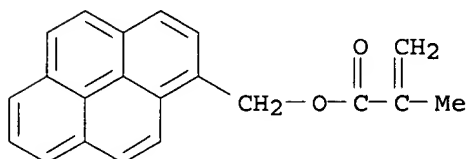
CM 3  
 CRN 2210-25-5  
 CMF C6 H11 N O



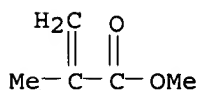
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 2  
 ACCESSION NUMBER: 2002:926323 HCAPLUS  
 DOCUMENT NUMBER: 138:170738  
 TITLE: Sensing the glass transition in thin and ultrathin

polymer films via fluorescence probes and labels  
 AUTHOR(S): Ellison, Christopher J.; Torkelson, John M.  
 CORPORATE SOURCE: Department of Chemical Engineering, Northwestern  
 University, Evanston, IL, 60208, USA  
 SOURCE: Journal of Polymer Science, Part B: Polymer Physics  
 (2002), 40(24), 2745-2758  
 CODEN: JPBPEM; ISSN: 0887-6266  
 PUBLISHER: John Wiley & Sons, Inc.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 90216-53-8, 1-Pyrenylmethyl methacrylate-methyl methacrylate  
 copolymer  
 RL: PRP (Properties)  
 (sensing glass transition in thin and ultrathin polymer films via  
 fluorescence probes and labels)  
 RN 90216-53-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl  
 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 86112-79-0  
 CMF C21 H16 O2



CM 2  
 CRN 80-62-6  
 CMF C5 H8 O2



REFERENCE COUNT: 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 3  
 ACCESSION NUMBER: 2001:664669 HCAPLUS  
 DOCUMENT NUMBER: 135:373027  
 TITLE: Interdiffusion vs Cross-Linking Rates in  
 Isobutoxyacrylamide-Containing Latex Coatings  
 AUTHOR(S): Liu, Ronghua; Winnik, Mitchell A.; Di Stefano, Frank;  
 Vanketessan, Jai  
 CORPORATE SOURCE: Department of Chemistry, University of Toronto,  
 Toronto, ON, M5S 3H6, Can.  
 SOURCE: Macromolecules (2001), 34(21), 7306-7314  
 CODEN: MAMOBX; ISSN: 0024-9297  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 373626-99-4  
 RL: PRP (Properties); RCT (Reactant); TEM (Technical or engineered

material use); RACT (Reactant or reagent); USES (Uses)  
 (interdiffusion vs. crosslinking rates in (isobutoxymethyl)acrylamide-  
 contg. Bu acrylate-Me methacrylate-based latex coatings)

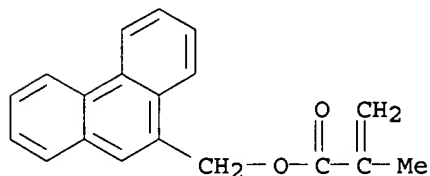
RN 373626-99-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, methyl  
 2-methyl-2-propenoate, N-[(2-methylpropoxy)methyl]-2-propenamide and  
 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 53223-82-8

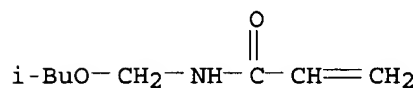
CMF C19 H16 O2



CM 2

CRN 16669-59-3

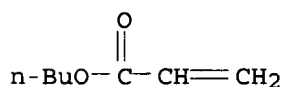
CMF C8 H15 N O2



CM 3

CRN 141-32-2

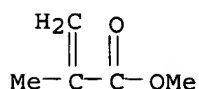
CMF C7 H12 O2



CM 4

CRN 80-62-6

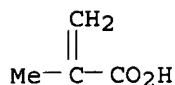
CMF C5 H8 O2



CM 5

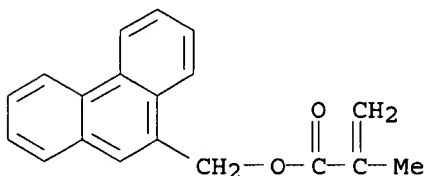
CRN 79-41-4

CMF C4 H6 O2



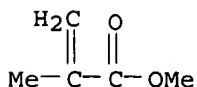
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 4  
 ACCESSION NUMBER: 1998:269811 HCAPLUS  
 DOCUMENT NUMBER: 128:257896  
 TITLE: Triplet Energy Migration among Energetically Disordered Chromophores in Polymer Matrixes. 2. Thermally Induced Supertrap Formation  
 AUTHOR(S): Hisada, Kenji; Ito, Shinzaburo; Yamamoto, Masahide  
 CORPORATE SOURCE: Department of Polymer Chemistry Graduate School of Engineering, Kyoto University, Kyoto, 606-8501, Japan  
 SOURCE: Journal of Physical Chemistry B (1998), 102(21), 4075-4080  
 CODEN: JPCBFK; ISSN: 1089-5647  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 81565-44-8, Methyl methacrylate-9-phenanthrylmethyl methacrylate copolymer  
 RL: PRP (Properties)  
 (film; triplet energy migration in)  
 RN 81565-44-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 53223-82-8  
 CMF C19 H16 O2



?

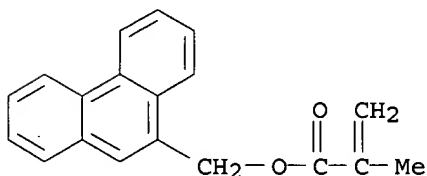
CM 2  
 CRN 80-62-6  
 CMF C5 H8 O2



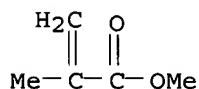
L6 ANSWER 5 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 5  
 ACCESSION NUMBER: 1997:518789 HCAPLUS  
 DOCUMENT NUMBER: 127:191376  
 TITLE: Triplet Energy Migration among Energetically Disordered Chromophores in Polymer Matrixes. 1. Monte



AUTHOR(S): Carlo Simulation for the Hopping of Triplet Excitons  
 Hisada, Kenji; Ito, Shinzaburo; Yamamoto, Masahide  
 CORPORATE SOURCE: Department of Polymer Chemistry Graduate School of  
 Engineering, Kyoto University, Kyoto, 606-01, Japan  
 SOURCE: Journal of Physical Chemistry B (1997), 101(35),  
 6827-6833  
 CODEN: JPCBFK; ISSN: 1089-5647  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 81565-44-8, Methyl methacrylate-9-phenanthrylmethyl methacrylate  
 copolymer  
 RL: PEP (Physical, engineering or chemical process); PRP (Properties);  
 PROC (Process)  
 (Monte Carlo simulation for hopping of triplet excitons among  
 energetically disordered chromophores in polymer matrixes)  
 RN 81565-44-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with  
 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 53223-82-8  
 CMF C19 H16 O2



CM 2  
 CRN 80-62-6  
 CMF C5 H8 O2



L6 ANSWER 6 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 6  
 ACCESSION NUMBER: 1996:336516 HCAPLUS  
 DOCUMENT NUMBER: 125:12204  
 TITLE: Internal Structure of Core-Shell Latex Particles  
 Studied by Fluorescence Nonradiative Energy Transfer  
 AUTHOR(S): Perez, Elias; Lang, Jacques  
 CORPORATE SOURCE: Institut Charles Sadron (CRM-EAHP), CNRS-ULP  
 Strasbourg, Strasbourg, 67083, Fr.  
 SOURCE: Langmuir (1996), 12(13), 3180-3187  
 CODEN: LANGD5; ISSN: 0743-7463  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 81565-44-8P, Methyl methacrylate-(9-phenanthryl)methyl  
 methacrylate copolymer  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (homogeneous; internal structure of labeled Me methacrylate-Bu

methacrylate copolymer core-shell particles studied by fluorescence  
nonradiative energy transfer)

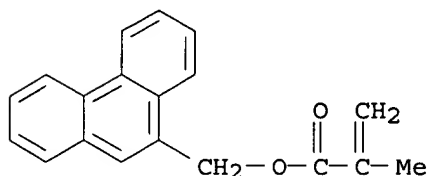
RN 81565-44-8 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with  
9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 53223-82-8

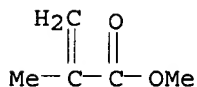
CMF C19 H16 O2



CM 2

CRN 80-62-6

CMF C5 H8 O2



L6 ANSWER 7 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 7

ACCESSION NUMBER: 1995:212960 HCAPLUS

DOCUMENT NUMBER: 122:162098

TITLE: Thermoreversible Gelation of Solutions of Syndiotactic  
Poly(methyl methacrylate) in Toluene: a Two-Step  
Mechanism

AUTHOR(S): Berghmans, M.; Thijs, S.; Cornette, M.; Berghmans, H.;  
De Schryver, F. C.; Moldenaers, P.; Mewis, J.

CORPORATE SOURCE: Department of Chemistry, Katholieke Universiteit  
Leuven, Louvain, B-3001, Belg.

SOURCE: Macromolecules (1994), 27(26), 7669-76

CODEN: MAMOBX; ISSN: 0024-9297

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 90216-53-8P

RL: PEP (Physical, engineering or chemical process); PRP (Properties); SPN  
(Synthetic preparation); PREP (Preparation); PROC (Process)

(two-step mechanism of thermoreversible gelation of atactic poly(Me  
methacrylate) soln.)

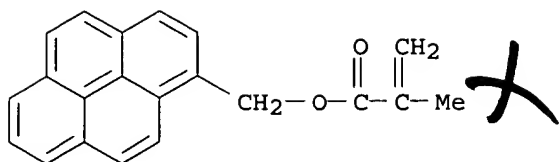
RN 90216-53-8 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl  
2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

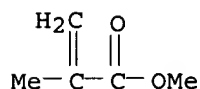
CRN 86112-79-0

CMF C21 H16 O2



CM 2

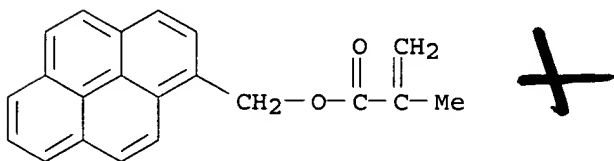
CRN 80-62-6  
CMF C5 H8 O2



L6 ANSWER 8 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 8  
 ACCESSION NUMBER: 1994:606514 HCAPLUS  
 DOCUMENT NUMBER: 121:206514  
 TITLE: Aggregation of pyrene in poly(alkyl methacrylate) films revealed by time-resolved total internal reflection fluorescence spectroscopy  
 AUTHOR(S): Itaya, Akira; Matsumoto, Yasuo; Iou, Ippei; Masuhara, Hiroshi; De Schryver, Frans C.  
 CORPORATE SOURCE: Department of Polymer Science and Engineering, Kyoto Institute of Technology, Matsugasaki, 606, Japan  
 SOURCE: Polymer (1994), 35(18), 3920-6  
 CODEN: POLMAG; ISSN: 0032-3861  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 90216-53-8  
 RL: PRP (Properties)  
 (time-resolved total internal reflection fluorescence spectroscopic study of pyrene aggregation in films of)  
 RN 90216-53-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

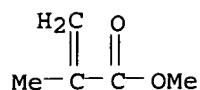
CM 1

CRN 86112-79-0  
CMF C21 H16 O2

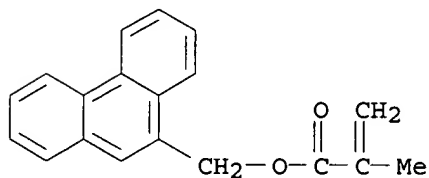


CM 2

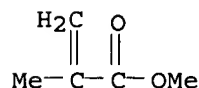
CRN 80-62-6  
CMF C5 H8 O2



L6 ANSWER 9 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 9  
 ACCESSION NUMBER: 1994:410089 HCAPLUS  
 DOCUMENT NUMBER: 121:10089  
 TITLE: Dye distribution in fluorescent-labeled latex prepared by emulsion polymerization  
 AUTHOR(S): Sosnowski, Stanislaw; Feng, Jianrong; Winnik, Mitchell A.  
 CORPORATE SOURCE: Dep. Chem., Univ. Toronto, Toronto, ON, M5S 1A1, Can.  
 SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry (1994), 32(8), 1497-505  
 CODEN: JPACEC; ISSN: 0887-624X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 81565-44-8P, Methyl methacrylate-9-phenanthrylmethyl methacrylate copolymer  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of, in emulsion, monomer distribution in relation to)  
 RN 81565-44-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 53223-82-8  
 CMF C19 H16 O2



CM 2  
 CRN 80-62-6  
 CMF C5 H8 O2



L6 ANSWER 10 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 10  
 ACCESSION NUMBER: 1993:562441 HCAPLUS  
 DOCUMENT NUMBER: 119:162441  
 TITLE: Photochemical dimerization in hydrophilicity improvement of (in)organic articles  
 INVENTOR(S): Irie, Masahiro; Kishimoto, Soichiro  
 PATENT ASSIGNEE(S): Unitika Ltd, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent

LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

2/2/93

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05024951	A2	19930202	JP 1991-208592	19910724
PRIORITY APPLN. INFO.: IT 150048-73-0			JP 1991-208592	19910724

RL: USES (Uses)

(plates, hydrophilic treatment for with UV irradiation, in presence of hydrophilic group-containing anthracenes)

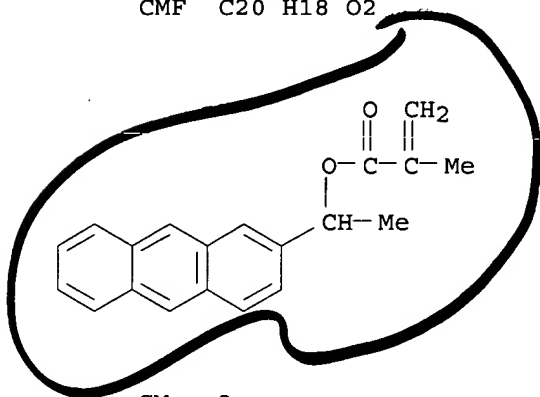
RN 150048-73-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 1-(2-anthracenyl)ethyl ester, polymer with ethenylbenzene (9CI) (CA INDEX NAME)

CM 1

CRN 54720-11-5

CMF C20 H18 O2



CM 2

CRN 100-42-5

CMF C8 H8

R<sub>1</sub> = Me  
X = H  
Y = 2

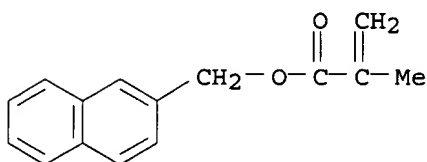
H<sub>2</sub>C=CH-Ph

L6 ANSWER 11 OF 33 USPATFULL  
ACCESSION NUMBER: 93:33359 USPATFULL  
TITLE: Electrophotographic light-sensitive material  
INVENTOR(S): Kato, Eiichi, Shizuoka, Japan  
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

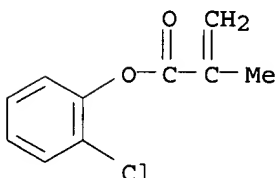
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5206104		19930427
APPLICATION INFO.:	US 1991-655608		19910215 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1990-33955	19900216
	JP 1990-118532	19900510
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	McCamish, Marion E.	
ASSISTANT EXAMINER:	Ashton, Rosemary	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	

NUMBER OF CLAIMS: 6  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 2919  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 IT 137991-46-9DP, carboxyterminated  
 (prepn. of, as binder resin for electrophotog. photoreceptor)  
 RN 137991-46-9 USPATFULL  
 CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with  
 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 68579-95-3  
 CMF C15 H14 O2



CM 2  
 CRN 18967-23-2  
 CMF C10 H9 Cl O2

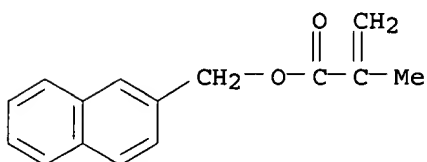


L6 ANSWER 12 OF 33 USPATFULL  
 ACCESSION NUMBER: 93:3463 USPATFULL  
 TITLE: Electrophotographic light-sensitive material  
 INVENTOR(S): Kato, Eiichi, Shizuoka, Japan  
 Ishii, Kazuo, Shizuoka, Japan  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

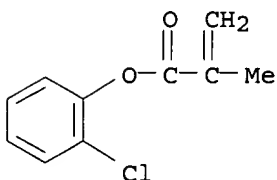
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5178982		19930112
APPLICATION INFO.:	US 1990-570653		19900821 (7)
DISCLAIMER DATE:	20080604		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-212993	19890821
	JP 1989-212995	19890821
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	McCamish, Marion E.	
ASSISTANT EXAMINER:	Chapman, Mark A.	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	

NUMBER OF CLAIMS: 9  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 2567  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 IT 137991-46-9DP, alkane sulfonic acid-terminated  
 (prepn. and use of, as binder resin for electrophotog. photoreceptor)  
 RN 137991-46-9 USPATFULL  
 CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with  
 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 68579-95-3  
 CMF C15 H14 O2

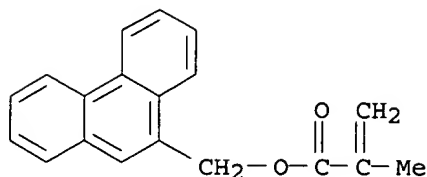


CM 2  
 CRN 18967-23-2  
 CMF C10 H9 Cl O2



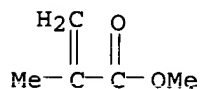
L6 ANSWER 13 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 11  
 ACCESSION NUMBER: 1993:125407 HCAPLUS  
 DOCUMENT NUMBER: 118:125407  
 TITLE: Kinetic analysis of triplet energy migration in  
 poly[(2-naphthylalkyl methacrylate)-co-(methyl  
 methacrylates)] and poly[(9-phenanthrylmethyl  
 methacrylate)-co-(methyl methacrylate)] solid films  
 AUTHOR(S): Katayama, Hideaki; Tawa, Tsutomu; Haggquist, Gregory  
 W.; Ito, Shinzaburo; Yamamoto, Masahide  
 CORPORATE SOURCE: Fac. Eng., Kyoto Univ., Kyoto, 606, Japan  
 SOURCE: Macromolecules (1993), 26(6), 1265-9  
 CODEN: MAMOBX; ISSN: 0024-9297  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 81565-44-8, Methyl methacrylate-9-phenanthrylmethyl methacrylate  
 copolymer  
 RL: PRP (Properties)  
 (triplet energy migration in solid films of, kinetic anal. of)  
 RN 81565-44-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with  
 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
 CM 1

CRN 53223-82-8  
CMF C19 H16 O2



CM 2

CRN 80-62-6  
CMF C5 H8 O2

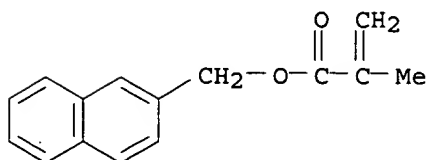


L6 ANSWER 14 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 12  
ACCESSION NUMBER: 1992:661589 HCAPLUS  
DOCUMENT NUMBER: 117:261589  
TITLE: Electrophotographic lithographic master plates  
INVENTOR(S): Kato, Eiichi; Osawa, Sadao  
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 31 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 04014052	A2	19920120	JP 1990-117897	19900508
PRIORITY APPLN. INFO.:				JP 1990-117897	19900508
IT	144278-73-9				
	RL: USES (Uses)				
	(binder resin contg., for electrophotog. lithog. masters)				
RN	144278-73-9	HCAPLUS			
CN	2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate and 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)				

CM 1

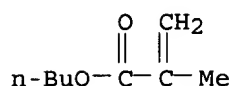
CRN 68579-95-3  
CMF C15 H14 O2





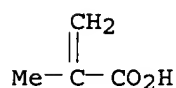
CM 2

CRN 97-88-1  
CMF C8 H14 O2



CM 3

CRN 79-41-4  
CMF C4 H6 O2



L6 ANSWER 15 OF 33 USPATFULL  
ACCESSION NUMBER: 92:42636 USPATFULL  
TITLE: Electrophotographic light-sensitive material  
INVENTOR(S): Kato, Eiichi, Shizuoka, Japan  
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

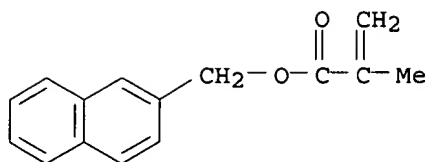
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5116710		19920526
APPLICATION INFO.:	US 1990-582320		19900914 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-237319	19890914
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Martin, Roland	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn Macpeak & Seas	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2077	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
IT 137991-46-9D, sulfonic acid terminated  
(binder resin, for electrophotog. photoreceptor)  
RN 137991-46-9 USPATFULL  
CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with  
2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

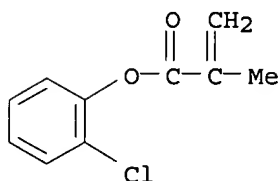
CRN 68579-95-3  
CMF C15 H14 O2



CM 2

CRN 18967-23-2

CMF C10 H9 Cl O2



L6 ANSWER 16 OF 33 USPATFULL

ACCESSION NUMBER: 92:36086 USPATFULL

TITLE: Binder for electrophotographic light-sensitive material containing recurring ester units

INVENTOR(S): Kato, Eiichi, Haibara, Japan

Ishii, Kazuo, Haibara, Japan

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5110701		19920505
APPLICATION INFO.:	US 1990-521956		19900511 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-117536	19890512
	JP 1989-124550	19890519
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Goodrow, John	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2511	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 136974-45-3

(electrophotog. photoreceptor binder resin contg.)

RN 136974-45-3 USPATFULL

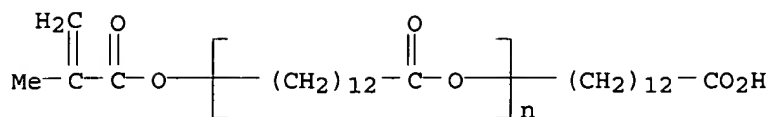
CN 2-Propenoic acid, 2-methyl-, 2-naphthalenylmethyl ester, polymer with .alpha.-(12-carboxydodecyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]poly[oxy(1-oxo-1,13-tridecanediyl)] (9CI) (CA INDEX NAME)

CM 1

CRN 136974-44-2

CMF (C13 H24 O2)n C17 H30 O4

CCI PMS

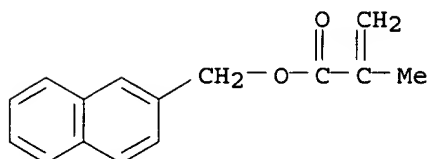


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CM 2

CRN 68579-95-3

CMF C15 H14 O2



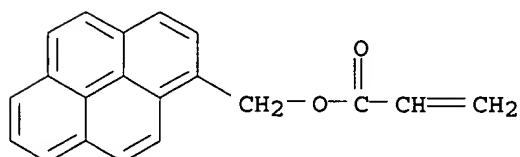
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L6 ANSWER 17 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 13  
 ACCESSION NUMBER: 1992:512475 HCAPLUS  
 DOCUMENT NUMBER: 117:112475  
 TITLE: Use of nonradiative energy transfer to explore  
 interpolymer and polymer-solute interactions in  
 aqueous solutions of poly(N-isopropylacrylamide)  
 AUTHOR(S): Schild, Howard G.; Tirrell, David A.  
 CORPORATE SOURCE: Polym. Sci. Eng. Dep., Univ. Massachusetts, Amherst,  
 MA, 01003, USA  
 SOURCE: Macromolecules (1992), 25(18), 4553-8  
 CODEN: MAMOBX; ISSN: 0024-9297  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 142723-27-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and interpolymer and polymer-solute interactions of aq.,  
 nonradiative energy transfer in relation to)  
 RN 142723-27-1 HCAPLUS  
 CN 2-Propenoic acid, 1-pyrenylmethyl ester, polymer with N-(1-methylethyl)-2-  
 propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 98845-55-7

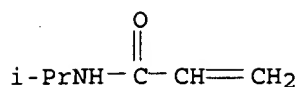
CMF C20 H14 O2



CM 2

CRN 2210-25-5

CMF C6 H11 N O



L6 ANSWER 18 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 14  
 ACCESSION NUMBER: 1992:500929 HCAPLUS  
 DOCUMENT NUMBER: 117:100929  
 TITLE: Electrophotographic photoreceptor with improved electrostatic and moisture resistant properties  
 INVENTOR(S): Kato, Eiichi  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 39 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03238463	A2	19911024	JP 1990-33955	19900216
US 5206104	A	19930427	US 1991-655608	19910215

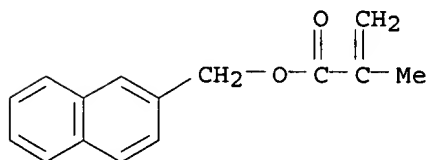
PRIORITY APPLN. INFO.: JP 1990-33955 19900216  
 JP 1990-118532 19900510

IT 137991-46-9DP, carboxyterminated  
 RL: TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (prepn. of, as binder resin for electrophotog. photoreceptor)

RN 137991-46-9 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

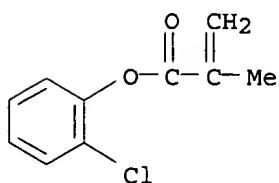
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 CMF C15 H14 O2



CM 2

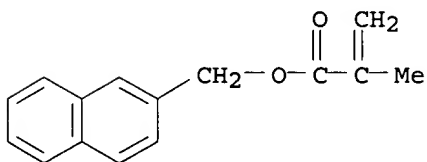
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 CMF C10 H9 Cl O2



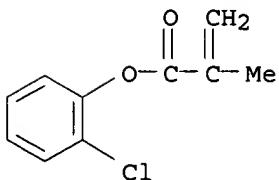
L6 ANSWER 19 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 15  
 ACCESSION NUMBER: 1992:224646 HCAPLUS  
 DOCUMENT NUMBER: 116:224646  
 TITLE: Electrophotographic photoreceptor using vinyl-type binder resin  
 INVENTOR(S): Kato, Eiichi  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 42 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03100657	A2	19910425	JP 1989-237319	19890914
US 5116710	A	19920526	US 1990-582320	19900914

PRIORITY APPLN. INFO.: JP 1989-237319 19890914  
 IT 137991-46-9D, sulfonic acid terminated  
 RL: USES (Uses)  
 (binder resin, for electrophotog. photoreceptor)  
 RN 137991-46-9 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with  
 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 68579-95-3  
 CMF C15 H14 O2



CM 2  
 CRN 18967-23-2  
 CMF C10 H9 Cl O2



L6 ANSWER 20 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 16  
 ACCESSION NUMBER: 1992:417230 HCAPLUS  
 DOCUMENT NUMBER: 117:17230  
 TITLE: Electrophotographic photoreceptors  
 INVENTOR(S): Kato, Eiichi; Ishii, Kazuo  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

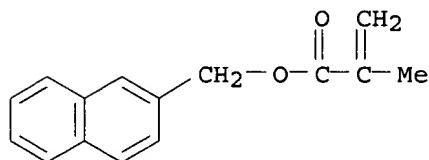
SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03077955	A2	19910403	JP 1989-212995	19890821
US 5178982	A	19930112	US 1990-570653	19900821
PRIORITY APPLN. INFO.:			JP 1989-212993	19890821
			JP 1989-212995	19890821

IT **137991-46-9P**  
 RL: TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (prepn. of, as binder resin, for electrophotog. photoconductor)  
 RN 137991-46-9 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

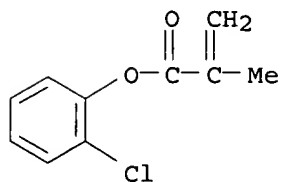
CM 1

CRN 68579-95-3  
 CMF C15 H14 O2



CM 2

CRN 18967-23-2  
 CMF C10 H9 Cl O2



L6 ANSWER 21 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 17  
 ACCESSION NUMBER: 1992:162468 HCAPLUS  
 DOCUMENT NUMBER: 116:162468  
 TITLE: Electrophotographic photoreceptor for offset printing plates  
 INVENTOR(S): Kato, Eiichi; Ishii, Kazuo  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 44 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03077953	A2	19910403	JP 1989-212993	19890821
US 5178982	A	19930112	US 1990-570653	19900821

PRIORITY APPLN. INFO.: JP 1989-212993 19890821  
JP 1989-212995 19890821

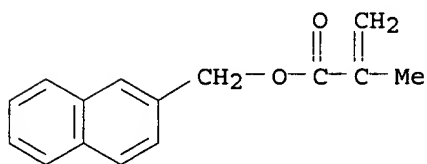
IT **137991-46-9DP**, alkane sulfonic acid-terminated  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and use of, as binder resin for electrophotog. photoreceptor)

RN 137991-46-9 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with  
 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

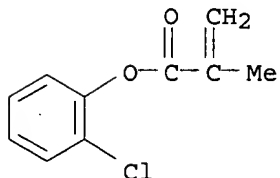
CM 1

CRN 68579-95-3  
 CMF C15 H14 O2



CM 2

CRN 18967-23-2  
 CMF C10 H9 Cl O2



L6 ANSWER 22 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 18

ACCESSION NUMBER: 1992:31314 HCAPLUS

DOCUMENT NUMBER: 116:31314

TITLE: Electrophotographic photoreceptor with superior electrostatic properties and good moisture resistance and durability

INVENTOR(S): Kato, Eiichi; Ishii, Kazuo

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.  
 CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03042666	A2	19910222	JP 1989-177340	19890710

PRIORITY APPLN. INFO.:

JP 1989-177340

19890710

IT 137991-46-9P

RL: PREP (Preparation)

(prepn. of, binder resin for electrophotog. photoreceptor using)

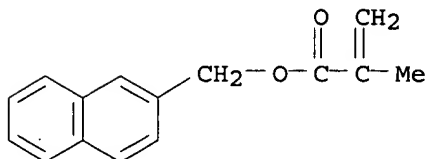
RN 137991-46-9 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with  
2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

CRN 68579-95-3

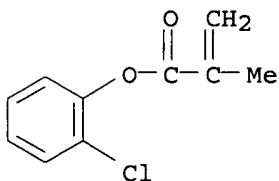
CMF C15 H14 O2



CM 2

CRN 18967-23-2

CMF C10 H9 Cl O2



L6 ANSWER 23 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 19

ACCESSION NUMBER: 1991:666756 HCAPLUS

DOCUMENT NUMBER: 115:266756

TITLE: Electrophotographic photoreceptor with improved  
moisture resistance and durability

INVENTOR(S): Kato, Eiichi; Ishii, Kazuo

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 36 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02297558	A2	19901210	JP 1989-117536	19890512
US 5110701	A	19920505	US 1990-521956	19900511
PRIORITY APPLN. INFO.:			JP 1989-117536	19890512
			JP 1989-124550	19890519

OTHER SOURCE(S): MARPAT 115:266756

IT 136974-45-3

RL: USES (Uses)

(electrophotog. photoreceptor binder resin contg.)

RN 136974-45-3 HCAPLUS



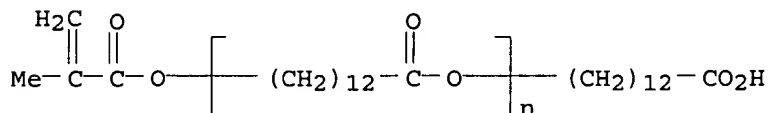
CN 2-Propenoic acid, 2-methyl-, 2-naphthalenylmethyl ester, polymer with  
.alpha.-(12-carboxydodecyl)-.omega.-[(2-methyl-1-oxo-2-  
propenyl)oxy]poly[oxy(1-oxo-1,13-tridecanediyl)] (9CI) (CA INDEX NAME)

CM 1

CRN 136974-44-2

CMF (C13 H24 O2)n C17 H30 O4

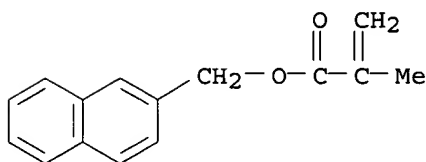
CCI PMS



CM 2

CRN 68579-95-3

CMF C15 H14 O2

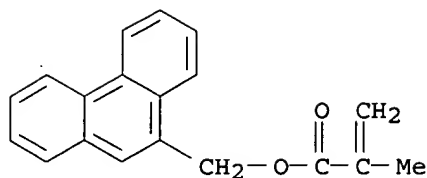


L6 ANSWER 24 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 20  
ACCESSION NUMBER: 1989:213830 HCAPLUS  
DOCUMENT NUMBER: 110:213830  
TITLE: Trap-site formation and trap-controlled triplet energy  
migration in phenanthrene copolymer films  
AUTHOR(S): Ito, Shinzaburo; Numata, Norio; Katayama, Hideaki;  
Yamamoto, Masahide  
CORPORATE SOURCE: Fac. Eng., Kyoto Univ., Kyoto, 606, Japan  
SOURCE: Macromolecules (1989), 22(5), 2207-13  
CODEN: MAMOBX; ISSN: 0024-9297  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 81565-44-8, Methyl methacrylate-9-phenanthrylmethyl methacrylate  
copolymer  
RL: PRP (Properties)  
(trap-site formation and trap-controlled triplet energy migration in)  
RN 81565-44-8 HCAPLUS  
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with  
9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

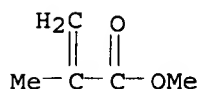
CRN 53223-82-8

CMF C19 H16 O2



CM 2

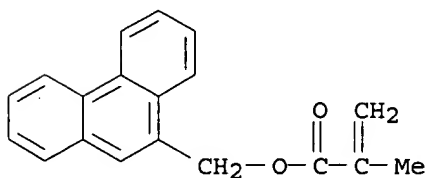
CRN 80-62-6  
CMF C5 H8 O2



L6 ANSWER 25 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 21  
 ACCESSION NUMBER: 1990:207643 HCAPLUS  
 DOCUMENT NUMBER: 112:207643  
 TITLE: Solvent concentration profile of poly(methyl methacrylate) dissolving in methyl ethyl ketone. A fluorescence-quenching study  
 AUTHOR(S): Limm, William; Winnik, Mitchell A.; Smith, Barton A.; Stanton, Deirdre T.  
 CORPORATE SOURCE: Edgewood Arsenal, U. S. Army CRDEC, Aberdeen Proving Ground, MD, 21010-5423, USA  
 SOURCE: ACS Symposium Series (1989), 412 (Polym. Microlithogr.), 385-99  
 CODEN: ACSMC8; ISSN: 0097-6156  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 81565-44-8  
 RL: USES (Uses)  
 (fluorescence-quenching study of dissoln. of photoresist of, in Me Et ketone)  
 RN 81565-44-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

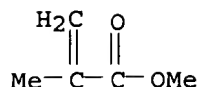
CM 1

CRN 53223-82-8  
CMF C19 H16 O2

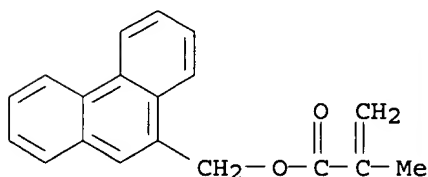


CM 2

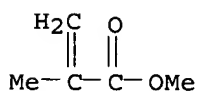
CRN 80-62-6  
CMF C5 H8 O2



L6 ANSWER 26 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 22  
 ACCESSION NUMBER: 1988:455808 HCAPLUS  
 DOCUMENT NUMBER: 109:55808  
 TITLE: Solvent penetration and photoresist dissolution: a fluorescence quenching and interferometry study  
 AUTHOR(S): Limm, William; Stanton, Deirdre; Dimnik, Gerald P.; Winnik, Mitchell A.; Smith, Barton A.  
 CORPORATE SOURCE: Dep. Chem., Univ. Toronto, Toronto, ON, M5S 1A1, Can.  
 SOURCE: Journal of Applied Polymer Science (1988), 35(8), 2099-116  
 CODEN: JAPNAB; ISSN: 0021-8995  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 81565-44-8  
 RL: USES (Uses)  
 (solvent penetration and photoresist dissoln. of, fluorescence quenching and interferometric studies on)  
 RN 81565-44-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 53223-82-8  
 CMF C19 H16 O2

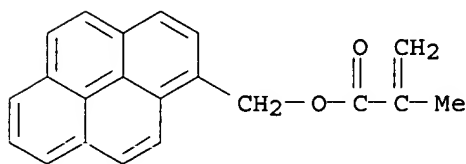


CM 2  
 CRN 80-62-6  
 CMF C5 H8 O2

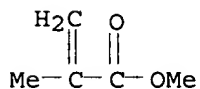


L6 ANSWER 27 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 23  
 ACCESSION NUMBER: 1986:89289 HCAPLUS  
 DOCUMENT NUMBER: 104:89289  
 TITLE: Picosecond excimer fluorescence spectroscopy: applications to local motions of polymers and polymerization monitoring  
 AUTHOR(S): Wang, F. W.; Lowry, R. E.; Cavanagh, R. R.  
 CORPORATE SOURCE: Polym. Div., Natl. Bur. Stand., Gaithersburg, MD, 20899, USA

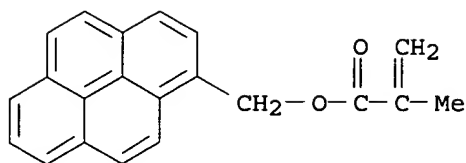
SOURCE: Polymer (1985), 26(11), 1657-61  
 CODEN: POLMAG; ISSN: 0032-3861  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 90216-53-8  
 RL: PRP (Properties)  
 (local motions in, picosecond excimer fluorometry in relation to)  
 RN 90216-53-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl  
 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 86112-79-0  
 CMF C21 H16 O2



CM 2  
 CRN 80-62-6  
 CMF C5 H8 O2

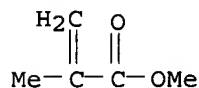


L6 ANSWER 28 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 24  
 ACCESSION NUMBER: 1985:561152 HCAPLUS  
 DOCUMENT NUMBER: 103:161152  
 TITLE: Excimer fluorescence technique for study of  
 polymer-segment mobility: applications to  
 pyrene-labelled poly(methyl methacrylate) and  
 poly(methyl acrylate) in solution  
 AUTHOR(S): Wang, Francis W.; Lowry, Robert E.  
 CORPORATE SOURCE: Polym. Div., Natl. Bur. Stand., Gaithersburg, MD,  
 20899, USA  
 SOURCE: Polymer (1985), 26(7), 1046-52  
 CODEN: POLMAG; ISSN: 0032-3861  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 90216-53-8  
 RL: PRP (Properties)  
 (polymer-segment mobility of, in soln., excimer fluorescence technique  
 study of)  
 RN 90216-53-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl  
 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 86112-79-0  
 CMF C21 H16 O2



CM 2

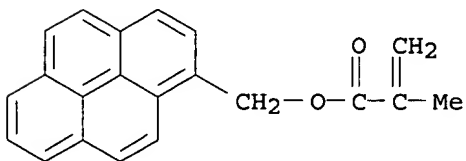
CRN 80-62-6  
CMF C5 H8 O2



L6 ANSWER 29 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 25  
 ACCESSION NUMBER: 1984:473166 HCAPLUS  
 DOCUMENT NUMBER: 101:73166  
 TITLE: Novel excimer fluorescence method for monitoring polymerization. 1. Polymerization of methyl methacrylate  
 AUTHOR(S): Wang, Francis W.; Lowry, Robert E.; Grant, Warren H.  
 CORPORATE SOURCE: Polym. Sci. Stand. Div., Natl. Bur. Stand., Washington, DC, 20234, USA  
 SOURCE: Polymer (1984), 25(5), 690-2  
 CODEN: POLMAG; ISSN: 0032-3861  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 90216-53-8  
 RL: PRP (Properties)  
 (excimer fluorescence of, with PMMA, as polymn. monitoring system)  
 RN 90216-53-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

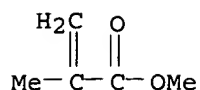
CM 1

CRN 86112-79-0  
CMF C21 H16 O2



CM 2

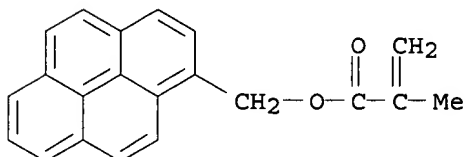
CRN 80-62-6  
CMF C5 H8 O2



L6 ANSWER 30 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 26  
 ACCESSION NUMBER: 1984:471995 HCAPLUS  
 DOCUMENT NUMBER: 101:71995  
 TITLE: Polymer bonded electron transfer sensitizers  
 AUTHOR(S): Tazuke, S.; Takasaki, R.; Iwaya, Y.; Suzuki, Y.  
 CORPORATE SOURCE: Res. Lab. Resour. Util., Tokyo Inst. Technol.,  
 Yokohama, 227, Japan  
 SOURCE: Polymer Preprints (American Chemical Society, Division  
 of Polymer Chemistry) (1984), 25(1), 300-1  
 CODEN: ACPPAY; ISSN: 0032-3934  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 91227-45-1  
 RL: PRP (Properties)  
 (as electron-transfer sensitizers)  
 RN 91227-45-1 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, 1-pyrenylmethyl ester, polymer with sodium  
 ethenylbenzenesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 86112-79-0  
 CMF C21 H16 O2



CM 2

CRN 27457-28-9  
 CMF C8 H8 O3 S . Na  
 CCI IDS

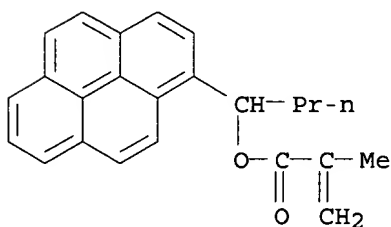


D1-CH=CH<sub>2</sub>

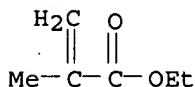
D1-SO<sub>3</sub>H

Na

L6 ANSWER 31 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 27  
 ACCESSION NUMBER: 1983:506070 HCAPLUS  
 DOCUMENT NUMBER: 99:106070  
 TITLE: Fluorescence study of polymer chain interpenetration  
 and of the rate of phase separation in incompatible  
 polymer blends  
 AUTHOR(S): Morawetz, H.  
 CORPORATE SOURCE: Polym. Res. Inst., Polytech. Inst. New York, Brooklyn,  
 NY, 11201, USA  
 SOURCE: Polymer Engineering and Science (1983), 23(12), 689-92  
 CODEN: PYESAZ; ISSN: 0032-3888  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 86637-30-1  
 RL: PRP (Properties)  
 (interdiffusion of, in anthracene-labeled poly(Me methacrylate), detn.  
 of, by fluorescence spectroscopy)  
 RN 86637-30-1 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, ethyl ester, polymer with 1-(1-pyrenyl)butyl  
 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 86637-29-8  
 CMF C24 H22 O2

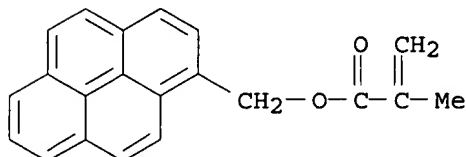


CM 2  
 CRN 97-63-2  
 CMF C6 H10 O2

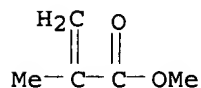


L6 ANSWER 32 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 28  
 ACCESSION NUMBER: 1984:210538 HCAPLUS  
 DOCUMENT NUMBER: 100:210538  
 TITLE: In-situ monitoring of polymerization reactions by  
 excimer fluorescence technique  
 AUTHOR(S): Wang, Francis W.; Lowry, Robert E.; Grant, Warren H.  
 CORPORATE SOURCE: Polym. Sci. Stand. Div., Natl. Bur. Stand.,  
 Washington, DC, 20234, USA  
 SOURCE: Polymeric Materials Science and Engineering (1983),  
 49, 138-42  
 CODEN: PMSE DG; ISSN: 0743-0515  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

IT 90216-53-8  
 RL: USES (Uses)  
 (fluorescence of excimers of, in in situ monitoring of Me methacrylate polymn.)  
 RN 90216-53-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 86112-79-0  
 CMF C21 H16 O2



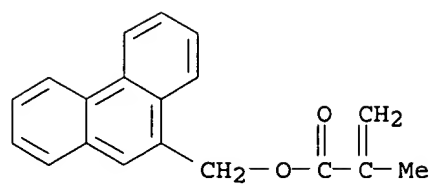
CM 2  
 CRN 80-62-6  
 CMF C5 H8 O2



L6 ANSWER 33 OF 33 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 29  
 ACCESSION NUMBER: 1982:407066 HCAPLUS  
 DOCUMENT NUMBER: 97:7066  
 TITLE: Studies of the antenna effect in polymer molecules.  
 3. Singlet electronic energy transfer in  
 poly[(9-phenanthryl)methyl methacrylate] and its  
 copolymers  
 AUTHOR(S): Ng, Dominic; Guillet, James E.  
 CORPORATE SOURCE: Dep. Chem., Univ. Toronto, Toronto, ON, M5S 1A1, Can.  
 SOURCE: Macromolecules (1982), 15(3), 724-7  
 CODEN: MAMOBX; ISSN: 0024-9297  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

IT 81565-44-8  
 RL: PRP (Properties)  
 (fluorescence of)  
 RN 81565-44-8 HCAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with  
 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 53223-82-8  
 CMF C19 H16 O2





CM 2

CRN 80-62-6

CMF C5 H8 O2

